

Title (en)

RING SEALS FOR GAS SEALING AND VIBRATION DAMPING

Title (de)

DICHTUNGSRINGE FÜR GASDICHTUNG UND SCHWINGUNGSDÄMPFUNG

Title (fr)

ANNEAUX D'ÉTANCHÉITÉ POUR L'ÉTANCHÉITÉ DE GAZ ET L'ATTÉNUATION DE VIBRATIONS

Publication

EP 2079910 B1 20150107 (EN)

Application

EP 07844284 A 20071015

Priority

- US 2007081362 W 20071015
- US 82970206 P 20061017

Abstract (en)

[origin: WO2008048918A1] A connection device for connecting two turbine housings (1, 2) of a two- stage turbocharging system includes a male/ female joint for joining the two turbine housings; a cylindrical ring seal (3) installed under compression inside the male/female joint for sealing exhaust gas; and a vibration damper (4) in a shape of a flat washer and placed between the two housings. The cylindrical ring seal can be made of stainless steel mesh impregnated with vermiculite or graphite. The vibration damper can be made of stainless steel mesh but not impregnated.

IPC 8 full level

F02B 39/00 (2006.01); **F02B 37/00** (2006.01); **F02B 37/013** (2006.01); **F02B 39/16** (2006.01); **F02B 67/10** (2006.01); **F16J 15/12** (2006.01)

CPC (source: EP KR US)

F02B 37/007 (2013.01 - KR); **F02B 37/013** (2013.01 - EP KR US); **F02B 39/00** (2013.01 - EP KR US); **F02B 39/16** (2013.01 - KR); **F02B 67/10** (2013.01 - EP US); **F16J 15/126** (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008048918 A1 20080424; CN 101523027 A 20090902; CN 101523027 B 20110525; EP 2079910 A1 20090722; EP 2079910 A4 20130717; EP 2079910 B1 20150107; JP 2010507045 A 20100304; JP 4906924 B2 20120328; KR 101258685 B1 20130430; KR 20090069177 A 20090629; US 2009252599 A1 20091008; US 8182206 B2 20120522

DOCDB simple family (application)

US 2007081362 W 20071015; CN 200780036332 A 20071015; EP 07844284 A 20071015; JP 2009533459 A 20071015; KR 20097007737 A 20071015; US 44217007 A 20071015